

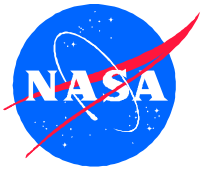
ULDB
PDR

3.5
Sensors

HWCI 3.5.3

Component Temperature

- Requirements Traceability
 - Component Temperature
 - Section 3.5.3.2
- Trade Studies
 - Thermistors

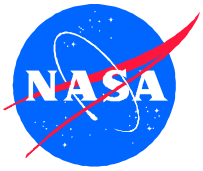


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HWCI 3.5.3 Component Temperature

- Functional and Performance Requirements
 - Sample Rate
 - no less than 1 per minute
 - Accuracy
 - 5%
 - Approximately 45 Temperatures Reported



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HWC1 3.5.3

Component Temperature

- HWC1 Description
 - All Measurements by small thermistors and conditioned by WFF standard monitor boxes (3"x4"x1"). Approximately 6 boxes will be required.
 - 28 V input to monitor boxes
- Risk Assessment & Mitigation/Reliability
 - Sounding Rocket, Balloon, Spacecraft Heritage
 - Thermistors to be used due to simplicity and insensitivity to lead length.